

1. A sealing device adapted to seal a flexible liquid container having a cavity for receiving liquids, a lateral opening for filling the container with liquids, and a liquid dispensing outlet, said sealing device comprising:
- 5 a hollow cylinder having an open end and a closed end, said cylinder is provided with an elongated slot extended from the closed end to the open end, wherein said slot meets said open end;
- a rod attached to said close end, positioned inside and substantially concentric to said hollow cylinder;
- 10 whereby when a portion of the container provided with the lateral opening is folded while substantially overlapping an adjacent portion of the container, and said hollow cylinder is slidingly mounted onto the folded portion of the container while said rod is threaded in the fold between the adjacent portions, liquid is prevented from leaking out of the container through the lateral opening.
- 15 2. The sealing device as claimed in Claim 1, wherein the length of said sealing device is at least as the length of the lateral opening.
3. The sealing device as claimed in Claim 1, wherein a cap closes said
- 20 closed end.
4. The sealing device as claimed in Claim 1, wherein said rod is slightly protruding beyond said open end.
- 25 5. The sealing device as claimed in claim 1, wherein said flexible container is formed from two films having the majority of their perimeter fused, allowing a portion of the perimeter unfused so as to acts as the opening.
- 30 6. The sealing device as claimed in Claim 5, wherein said slot is slightly wider than twice the accumulative thickness of said two films.

7. The sealing device as claimed in Claim 5, wherein the distance between the outer diameter of said rod and the inner diameter of said hollow cylinder is slightly larger than the accumulative thickness of said two films so that said two films may be freely threaded between said rod and said hollow cylinder and so that said two films are tightly contiguous.
8. The sealing device as claimed in Claim 1, wherein one of said two films has an extension that goes beyond the lateral opening.
9. The sealing device as claimed in claim 8, wherein said extension is provided with a hole.
10. The sealing device as claimed in Claim 1, wherein said flexible container is made of a material selected from a group of materials such as polyethylene, PVC or polyurethane.
11. The sealing device as claimed in Claim 1, wherein said rod has a round cross section.
12. The sealing device as claimed in Claim 1, wherein said sealing device is made from a rigid polymer, said rigid polymer is selected from a group of materials such as ABS or acetal polypropylene.
13. A sealing device adapted to seal a flexible liquid container having a cavity for receiving liquids, a lateral opening for filling the container with liquids, and a liquid dispensing outlet, said sealing device comprising:

a rod having a first end and a second end, provided laterally across the flexible container so that a portion of the container adjacent the lateral opening can be folded over the rod and substantially overlap an adjacent portion of the container; and

5 a sealer comprising an elongated member having two opposite sides along which a hollow passage is extended with a longitudinal slot, wherein the sealer is provided with an opening on at least one of the opposite sides, and wherein said sealer is slidably mountable over said rod, wherein the space defined within the passage is not
10 smaller than the total space occupied by the portion of the container provided with the lateral opening folded over the rod and the rod itself when inserted in the passage, and wherein the slot is not narrower than the total thickness of the folded portion of the container and the adjacent portion when inserted through the slot,
15 whereby when the portion of the container provided with the lateral opening is folded over the rod, substantially overlapping an adjacent portion of the container and the sealer is slidably mounted over the folded portion of the container and the rod, liquid is prevented from leaking out of the container through the lateral opening.

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14. The sealing device as claimed in Claim 13, wherein the length of said rod is slightly longer than a length defining the lateral opening of the container.

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15. The sealing device as claimed in Claim 13, wherein the first end of the rod is provided with a resilient lateral protrusion and the second end of the rod is provided with a stopper having a diameter that is larger than a
30 diameter of the passage of said sealer.

16. The sealing device as claimed in Claim 13, wherein said rod is welded to the flexible container.
17. The sealing device as claimed in Claim 13, wherein the flexible container is formed from two adjacent films of polymeric material having a majority of their perimeter welded, and wherein the lateral opening is a portion of the perimeter, which is not welded.
18. The sealing device as claimed in Claim 13, wherein said passage has a horse-shoe-like cross-section, and wherein the cross-section is substantially constant along said elongated member and said rod has substantially elliptic cross section.
19. The sealing device as claimed in Claim 13, wherein said sealer is made from a rigid polymer, said rigid polymer selected from ABS and acetal polypropylene.
20. A sealable flexible liquid container comprising:
a flexible liquid container having a cavity for receiving liquids, a lateral opening for filling the container with liquids and for cleaning the container, and a liquid dispensing outlet;
a rod having a first end and a second end, said rod is slightly longer than a length defining the lateral opening; and
a sealer comprising an elongated member having two opposite sides along which a hollow passage is extended with a longitudinal slot, wherein the sealer is provided with an opening on at least one of the opposite sides, and wherein said sealer is slidably mountable over said rod, wherein the space defined within the passage is not smaller than the total space occupied by a portion of the container provided with the lateral opening folded over the rod and substantially overlap an adjacent portion of the container, and the

rod itself when inserted in the passage, and wherein the slot is not narrower than the total thickness of the folded portion of the container and the adjacent portion when inserted through the slot, whereby when the portion of the container provided with the lateral opening is folded over the rod, substantially overlapping an adjacent portion of the container and the sealer is slidingly mounted over the folded portion of the container and the rod, liquid is prevented from leaking out of the container through the lateral opening.

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- 10 21. The flexible liquid container as claimed in Claim 20, wherein said rod is provided laterally across the flexible container.
22. The flexible liquid container as claimed in Claim 21, wherein said rod is welded to the flexible container.
- 15 23. The flexible liquid container as claimed in Claim 21, wherein the first end of the rod is provided with a resilient lateral protrusion and the second end of the rod is provided with a stopper having a diameter that is larger than a diameter of the passage of said sealer.
- 20 24. The flexible liquid container as claimed in Claim 20, wherein said rod is provided inside and substantially concentric to said elongated member and is attached to a side of the opposite sides of said elongated member that is closed.
- 25 25. The flexible liquid container as claimed in Claim 24, wherein said rod is slightly protruding out from the opening that is opposite the closed side of said elongated member.
- 30 26. The flexible liquid container as claimed in Claim 20, wherein the flexible container is formed from two adjacent films of polymeric material having

a majority of their perimeter welded, and wherein the lateral opening is a portion of the perimeter that is not welded.

- 5 27. The flexible liquid container as claimed in Claim 20, wherein said passage has a horse-shoe-like cross-section, and wherein the cross-section is substantially constant along said elongated member and wherein said rod has substantially elliptic cross section.
- 10 28. The flexible liquid container as claimed in Claim 20, wherein said sealer is made from a rigid polymer, said rigid polymer selected from ABS and acetal polypropylene.
- 15 29. The hydration system as claimed in Claim 20, wherein said flexible container is made of a material selected from a group of materials such as polyethylene, PVC or polyurethane.